Attorney's Docket No. <u>024445-590</u>
Application No.
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AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1-7 (Canceled)

8. (New) A roller cutter comprising:

a hub having crushing members mounted on an outer periphery thereof;

a shaft on which the hub is mounted for rotation about a center axis of the shaft, opposite ends of the shaft including respective spigots;

a pair of lubricant seals disposed adjacent respective ends of the shaft and arranged radially between the shaft and the hub; and

a pair of covers disposed axially outwardly of respective seals for covering the respective seals, each cover including a generally radially inwardly directed projection received in an indentation formed in an outer surface of the shaft to lock the cover axially with respect to the shaft.

- 9. (New) The roller cutter according to claim 8, wherein each projection comprises a pin secured in a recess formed in the respective cover, wherein the pin extends radially outwardly past an inner diameter of the cover.
- 10. (New) The roller cutter according to claim 9 wherein each indentation comprises a groove of substantially V-shape when viewed in a section plane containing the center line.

- 11. (New) The roller cutter according to claim 10 wherein each indentation has a dimension extending generally tangentially to the shaft which is at least as long as a dimension of the recess in the same direction.
- 12. (New) The roller cutter according to claim 10 wherein each spigot includes a curved support surface and a shoulder extending generally radially inwardly form the support surface.
- 13. (New) The roller cutter according to claim 10 wherein each indentation includes a surface which extends in a direction which is inclined axially inwardly and radially inwardly, the projection engaging both the inclined surface and an axially outwardly facing surface of the cover.
- 14. (New) The roller cutter according to claim 10 wherein the projection is arranged to lock the cover against substantial rotation relative to the shaft.
- 15. (New) The roller cutter according to claim 8 wherein each indentation comprises a groove of substantially V-shape when viewed in a section plane containing the center line.
- 16. (New) The roller cutter according to claim 8 wherein each indentation has a dimension extending generally tangentially to the shaft which is at least as long as a dimension of the recess in the same direction.
- 17. (New) The roller cutter according to claim 8 wherein each spigot includes a curved support surface and a shoulder extending generally radially inwardly form the support surface.
- 18. (New) The roller cutter according to claim 8 wherein each indentation includes a surface which extends in a direction which is inclined axially inwardly and radially inwardly, the projection engaging both the inclined surface and an axially outwardly facing surface of the cover.

- 19. (New) The roller cutter according to claim 8 wherein the projection is arranged to lock the cover against substantial rotation relative to the shaft.
 - 20. (New) A raise boring cutter apparatus comprising:

a body having a mounting surface and saddles projecting upwardly from the mounting surface;

a roller cutter mounted on the saddles and comprising:

a hub having crushing members mounted on an outer periphery thereof, and

a shaft on which the hub is mounted for rotation about a center axis of the shaft, opposite ends of the shaft including respective spigots mounted non-rotatably in respective saddles,

a pair of lubricant seals disposed adjacent respective ends of the shaft and arranged radially between the shaft and the hub, and

a pair of covers disposed axially outwardly of respective seals for covering the respective seals, each cover including a generally radially inwardly directed projection received in an indentation formed in an outer surface of the shaft to lock the cover axially with respect to the shaft.